## ISSUE SLIP STAPLE AREA (for additional cross references)

POSITION	INITIALS	ID NO.	DATE
FEE DETERMINATION		,	(0. 20.00
OILP.E. CLASSIFIER			10-30-99
FORMALITY REVIEW			

## **INDEX OF CLAIMS**

Rejected	N Non-elected
=Allowed	1 Interference
(Through numeral) Canceled	A Appeal
÷ Restricted	O Objected

_		_	_	_			_	_	_	_		_	_	_	_	_	_	_	٦	
Cl	aim	4	,	_		1	_	_	ם	at	е	_	_	_	_	Т	-	_	-	
	=	1	9	5	ار	とばめて	l							1			ļ		1	
Fla	Original	1	5	K	7	2	1		١					1		١				
Ш	-	_	61	2	'	吟	╀	_	┞		H	_	ŀ	4	_	+	_	┝	$\dashv$	
LZ		Φ	⊻	v	4		ļ	_	L		L	_	-	_	_	+	_	⊢	4	
┕		2	L	Ц	Ц	✓	1	_	L	_	Ļ	_	L	_	_	+	_	┞	4	
	]:	3	L	Ц		<b>✓</b>	Ţ	_	L		L	_	L		L	1	_	L	4	
	Ŀ	1	L	Ц	L		1	_	L	_	L	_	L		L	4	_	┡	4	
		$\coprod_{i}$	Ł	L	Ľ		1	_	L		L		L		L	1	_	L	4	
	i (	9	I			V			L		L	_	L	_	Ŀ	4	_	L	4	
Γ					L	V	1	_	L		l		L	_	L	1	_	L	4	
Г		ě	Ι	I		7			L		l		╽		L	4	_	L	4	
Γ		9	Ţ	Ι	I	v	1		1		1		L	_	L	4	_	Ļ	4	
Г	1	0	T	T	I	V	Π						1	_	L	1		L	╛	
Г	1	1	T	Γ	ſ	V	$\int$				1		1		L	_	_	ļ	$\perp$	
Г		2	Ţ	Ι	ſ	١	$\int$		I				1	_	L	1		L		
Г	1	3	T	Γ	J	V	]						1		L	╛		l	$\perp$	
Г		4	J	Ţ	I	V			I		I				Ĺ	⅃		1	┙	
Γ	1	5	7	Τ	T	١,	1		I						L		_	1	┙	
	1	6	Ţ	T	I	$\int$	Π		J		J	_			L			1	$\Box$	
Г	1	7	1	T	Ī	Ī	<i>7</i>		J				I	_	L			1	_	
Γ	1	8	1	T	1	ŀ	7		I						L		L	┙		
Г	Ŧ	9	1	T	1	Ţ	7		7		1		_				L	1	╝	
r	12	20	1	1	1	T,	7		٦		٦		٦		T		Γ			
$\vdash$		21	1	t	1	١,	7	Г	┪		٦	Г	1		T		Г	1		
$\vdash$		22	1	†	1	١,	7	Г	7			Г	1	-	T	_	Γ	T	$\neg$	
¢	1	23	╗	†	1	6	_	Н		_	٦		7		Ť		Γ	7		
H	ते	23 24 25	Н	+	1	Η,	7	Г	┪		7	r	7	_	†		T	1	$\neg$	
$\vdash$	4	25	7	4	7	1	/	r	7	Г	_	H	7	_	†	_	t	1		
۲	4	26	ľ	ť	_	$^{\dagger}$	7	۲		Г	_	t	┪		1	_	T	1		
╁	<del>-  </del>	27	H	+	_	١,	7	H	_	۲	_	Τ	7	Г	†	_	t	1		
H		28	┝	┪		Τ,	7	t	_	H		H	_	Г	7		t	7	_	ĺ
ŀ		29	۲	+	_	+;	7	t	_	۲	_	t	7	r	+		t	┪		ĺ
ŀ	-1	30	╀	┥	_	+	_	t	_	۲	-	t			+		t	7		
ŀ	$\dashv$	4	۲	-	-	+	-	t	_	H	-	t	_	H	7		t	┪	_	١
ŀ	-	\$	t	-	H	╅	-	t	_	H	_	t	_	t	┪		t	┪		١
ł	$\dashv$	33		-	H	+	.7	1	_	t	-	t	_	t	7		†			l
ł	=	34	_	_	H	+	<u> </u>	t	_	t	_	t	_	٢	+	_	t		_	1
1		35	_	_	+	+	_	+	_	t	-	t	_	t	$\dashv$		†	_	Т	1
-		36	_		H	$\dashv$	_	+		t	_	†	_	t	$\exists$	_	†		Г	1
ŀ		37	-	-	t	-	_	+		†		†	_	t	7	-	t	_		1
	_	38		-	t	$\dashv$	-	+	-	†	_	†	_	t	-	Н	†		Г	1
- 1	-	39		1	t	-	_	+		+	_	+	-	t	-	Н	†	_	$\vdash$	1
	-			_	t	-	_	+	-	+	_	+	_	t		┢	1	_	T	1
	⊢	44		_	ł	-	-	+	_	+	_	+	-	+	_	-	+	_	+	1
	<u> </u>	4	-	_	1	_	L	4	_	+	-	4		+	_	-	+		⊢	4
	_	42	4	_	+		L	4	_	4	_	4	_	+		$\vdash$	4	_	╀	4
	_	4		_	4	_	$\vdash$	4	_	4	_	4	_	+	_	┞	4	_	╀	4
7	L	4	4	_	4	_	L	4	_	4	_	4	_	4	_	┞	4	_	╀	4
• : - :	L	4			4	_	ŀ	4	L	4	_	4	_	+	_	┞	4		+-	4
r :	L	14	6	Ľ	4	_	1	_	L	4	-	4	_	4		╀	4	_	╁	4
		14	7	L	4	_	L	Ļ	L	4	$\vdash$	4	L	4		╀	4	_	╀	4
	L		8	$\vdash$	4	_	L		L	4	L	_	$\vdash$	4	_	╀	_	$\vdash$	+-	_
$\Omega^{\prime}$			9	L	4	_	╀	_	Ļ	_	L	_	L	4	_	+	-	$\vdash$	ŀ	-
10 E	1.	. 15	0	ı	1		1		1		ı		ı	- 1		ı			1	J

Cla	im			_		D	ate	e						- 1	Cla	im					Da	te		_	_		$\dashv$
Final	Original														Final	Original											
ш	51	├	-	┝	╁	+	-	_	H	H	t	+	┪		⊢≕	110	П	_	7		Г	Τ	T	7	コ	$\neg$	П
	52	⊢	-	╁╴	+	╁	$\dashv$	_	-	-	+	+	┪		┢	112	-	7			Т	T	1	1	$\neg$	$\neg$	П
<u> </u>	53	╁	├-	┝	╁	+	-	Т	$\vdash$	┢	t	$\dagger$	ᅥ		┢	113		寸			Π		T	1			П
$\vdash$	54	┢╌	╌	┝	╁╴	╁	-	$\vdash$	$\vdash$	┢	╁	+	┪		┢	114	H	7	7		Г	Τ					
-	55	-	╁	┢	╁	+		-	1	T	T	+	٦			115						Γ	Τ	$\Box$			
<del>-</del>	56	-	╁╌	╁	t	t		┢	t	T	+	7	┪		Г	116								T			
⊢	57		╁╌	t	╁	+	_	Н	T	t	t	+	┪			117					Г	Τ	T	$\Box$			
⊢	58	-	╁╌	╁	+	+	_	┪	†	T	T	+	$\neg$		Г	118					T	Т	Т			$\Box$	
├	59	+-	╁╴	t	+	+		t	╁╴	╁	†	1	$\neg$		Г	119				Г	Г	Ι	Τ				
<u> </u>	60	-	╁╌	╁	✝	$\dagger$	_	H	┢	+	+	+	_			110	7				T	Т	Ι			Γ.	
$\vdash$	61	_	╁	╁	+	+	_		$\vdash$	+	+	7			Г	11	1				Τ	T	T			I	
$\vdash$	62	_	╁	╁	╁	+	_	t	+	†	+	┪				112	2			Г	Τ	T	П			Γ.	
⊢	63	_	╁	╁	十	+	_	✝	十	+	+	7	_		$\vdash$	11:	3			Г	T	Т	T				
⊢	64	-	╁╌	┿	╅	+		╁	十	╅	+	1		l	$\vdash$	111	4				Τ	1	T			Г	
-	65	-	╁	╁	+	┪	_	╁	╫	+	+	7	_	1	H	11	_		$\vdash$	T	Τ	1	$\top$			Г	Π
$\vdash$	66	-	╁	╁	╁	+	_	╁	+	+	+	1		1	$\vdash$	111	-	<u> </u>	Г	T	T	T	T	_		Т	Т
-	67	+-	╁	╁	+	┥	_	╁	╁	╁	+	-	_	1	$\vdash$	11	_	Т	Т	T	Ť	1	1		Г	T	
$\vdash$	68	-	+	╁	+	+		+	+-	+	+			1	-	11	-	┢	t	T	✝	Ť	7				Τ
-	-	-	+-	╁	+	4	_	╀	+-	+	+	-	-	1	-	11	-	1	H	T	T	1	┪		Τ	T	$\top$
⊢	69	-	+	+	+	$\dashv$	_	╀	╫	+	+	-	-	1	$\vdash$	12	-+-	╁	-	t	+	+	┪		Г	$\top$	十
$\perp$	70	-	4.	4.	4	_	L	╀	4-	4.	$\dashv$	_	$\vdash$	1	$\vdash$	12	-	╁╌	⊢	╁	+	+	┪		╁	╁	+
L	7	_	1	$\downarrow$	4	_	<u> </u>	+	+	+	4	•	┡	1	-	12	_	╀╌	╁	╁	+	+	┪		╁╴	╁	+
L	7:	_	4-	4	4	_	L	╀	4	+	4	_	-	-	$\vdash$	12	_	╁	╁	╁	+	┪	$\dashv$		┝	+	+
		3	$\perp$	$\downarrow$	_	_	L	-	+	+	-	_	-	-	$\vdash$	12	_	╀╌	+	╁	+	+	ᅥ	-	╁	+	+
L	_	4	4	4	4		<b> </b> _	+	4	+	4	_		1	-	-	-	+	+	╁	+	-			1	+	+
		5	4	4	_		L	$\downarrow$		+	-		┡	4	Н	12		+-	╁	+	+	+	-	_	╁	╁	+
L		6	4	4	_	_	L	4	- -	4	_	_	-	4	$\vdash$	12	_	+	╁	╀	┽	+	$\dashv$	-	╁	╁	+
L		7	┙	1	_	_	L	4	4	4	_	_	1	4	1	12		+-	╀	╀	+	┥	_	-	H	╫	+
L	_	8	$\perp$		_	_	L	1	_	4		_	↓_	4	-		28	+	╀	+	+	-	_	_	╀	╫	+
L	7	9			ightharpoonup		Ļ	1	_	4	_		1	4	L	-	29	+-	+-	+	4	$\dashv$		┝	╀	╫	+
	17	70			_		1	1	1	_	_		┡	-(	H		30	+-	+	+	+	-		⊢	╀	+	+
	١	31	$\perp$					┙		_			╀	4	L		31	4	╁	+	+	4	_	⊢	╀	╀	+
Γ	[8	32			_	_	L	1	4	4			┺	4	L	-	32	+	╀	+	+	4		-	╀	+	+
	3	33				_	L	$\perp$	$\bot$	┙		L	┸	4	L	_	33	+	+	+	4	_	_	╀	╀	+	┿
	_	34		_[		_	1	$\perp$	$\perp$	_ļ		_	4	4	L	_	34	+	+	+	+	_		╀	╀	+	+
ſ		35	$\Box$	ot		_	1		1	_		L	1	4	L		35	+-	+	+	_		<u> </u>	╀	+	+	+
Т	1	86	$\Box$					_	_	_			1	4	-		36		4	4	4	_	_	╀	+	+	+
ı	1	B7					l		┙	_	_	L	1	4	M-		37	-	+	4	4		_	╀	+	+	+
Г		88	$\neg$							┙		L	$\perp$		1	_	38	1	1	-	_	_	_	L	1	+	+
T		89	T					1			40.7	L	1			1	39	1	1	4			_	1	+	+	+
۲	7	90					T	T	T							_	40		1	$\perp$			L	1	4	4	$\bot$
t	7	91	寸	T			1	$\dashv$				Γ	T	7	П	_ 1	141		┙				L	$\perp$	$\perp$	$\perp$	
+	_	92	+	-		Г	+	7	7		Г	T	+	$\neg$	Ī		142	_	T	J			L				
ŀ	_	93	$\dashv$	_	Н	Γ	+	7	┪		Г	Τ	T	$\neg$	Ī	f	143		$\Box$					Ŀ	$\perp$	$\perp$	$\perp$
ŀ	_	94	-	_	$\vdash$	┢	+	7	7	_	Γ	T	1	7	ı	-	144	T	T					Ι		$\prod$	
ŀ		95	-		-	H	+	+	-	_	Т	t	+	7	Ì	1	45			_1						$\Box$	$\perp$
ŀ	_	96		_	$\vdash$	1	+	-		_	Τ	t	+	ヿ	Ì		146	$\top$	$\dashv$	╗			Γ	Ι			
ł	_	97	$\dashv$		$\vdash$	H	+	-1	$\dashv$		T	t	+	$\dashv$	Ì		147	T	$\dashv$	$\Box$				Ι			$oldsymbol{\mathbb{I}}$
ŀ		98	$\dashv$		$\vdash$	H	+	-1	-		T	†	+	ヿ	- 1	$\neg$	148	$\neg$					Ι	Ι	$\Box$		$\Box$
}	-	99	$\dashv$	_	$\vdash$	t	7	ᅥ	_	_	+	†	+	╡	ļ	_	149	1					Ι	I			$\Box$
- 1	_	100	Н	_	$\vdash$	✝	+	_			+-	+	+	┪			150	$\neg$	$\neg$			Γ		T	I		$\Box$

If more than 150 claims or 10 actions staple additional sheet here